

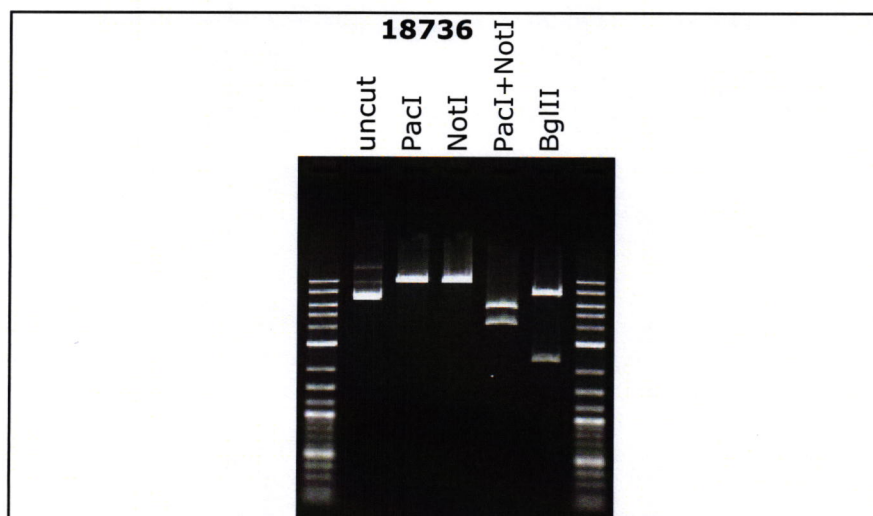
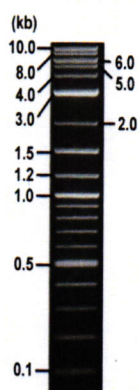


RIKEN DNA BANK

clone name : human ATP11A

- Clone ID : RDB \_ 18736
- Lot : 18736 \_ B1C2
- DNA Concentration : 25 ng/μL
- Volume : 40 μL
- Form : DNA solution in TE buffer
- Host : NEB stable
- Culture : LB medium
- Antibiotics : 100 μg/mL Ampicillin
- Purification : QIAGEN QIAprep Spin Miniprep kit
- Digestion by restriction enzyme

1 kb Plus DNA Ladder  
(NEB#N3200L),  
250 ng/well



Electrophoresis : 100 ng DNA per lane ; 1% agarose gel , 1 x TAE Buffer

Restriction enzyme	Expected size of fragment
<b>PacI</b>	<b>9.7</b> kbp
<b>NotI</b>	<b>9.7</b> kbp
<b>PacI+NotI</b>	<b>5.6, 4.1</b> kbp
<b>BglII</b>	<b>7.4, 2.4</b> kbp

#### ● Confirmation of the insertion sequence

Please be sure to check our sequence analysis results before your request.

Sequence name	Primer ID	Primer name	Confirmed feature
Sequence - A	Pr0352	MMLV-pol_F	pol region,insert 5'(hATP11A 5')
Sequence - B	Pr0516	SV40pro_R2	SV40 pro_ori,insert 3'(EGFP 3')
Sequence - C	Pr0905	EGFP-N_R2	insert mid(EGFP 5',hATP11A 3')
Sequence - D	Pr0731	SV40pro_ori_F	SV40 pro_ori,puroR
Sequence - E	Pr0008	Amp_R	AmpR pro,5' LTR
Sequence - F	Pr0230	pMFG_1	pol region,gag(truncated),MMLV psi
Sequence - G	Pr0724	lacIpro-B_F	3' LTR
Sequence - H	Pr1112	hATP11A_F1	insert mid(hATP11A mid)

APPROVED BY :

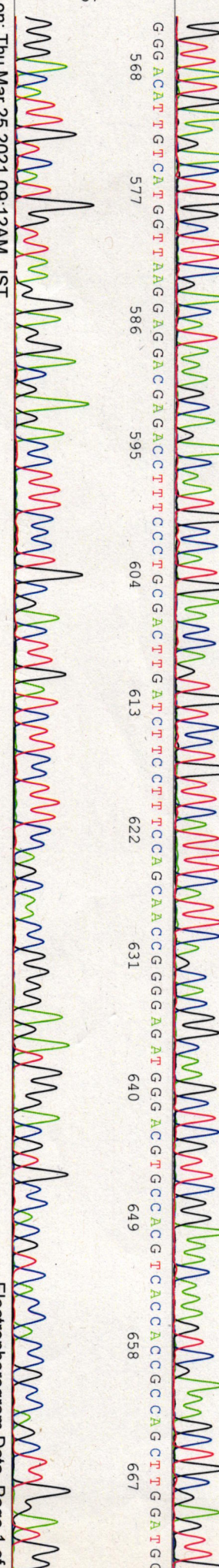
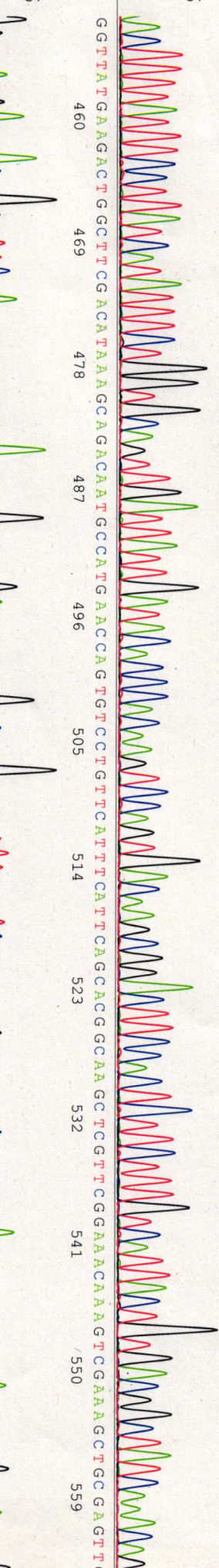
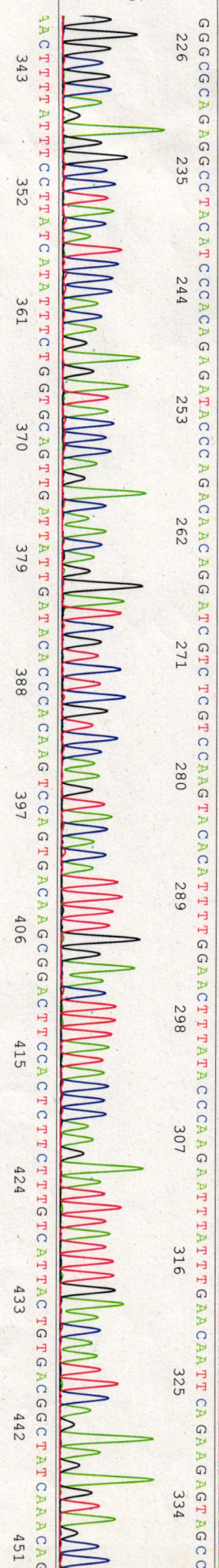
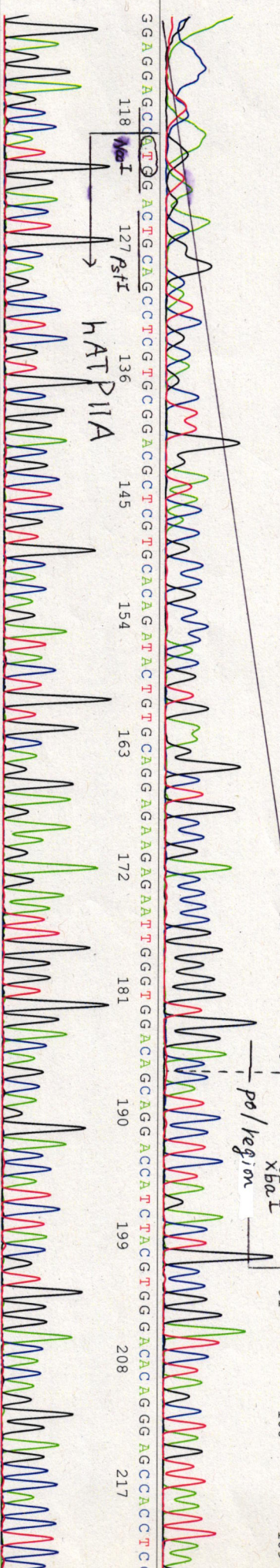


S/N G:122 A:105 T:102 primer name A : MMLV-pol\_F  
KB.bcp  
KB 1.4:1.8 Cap:3  
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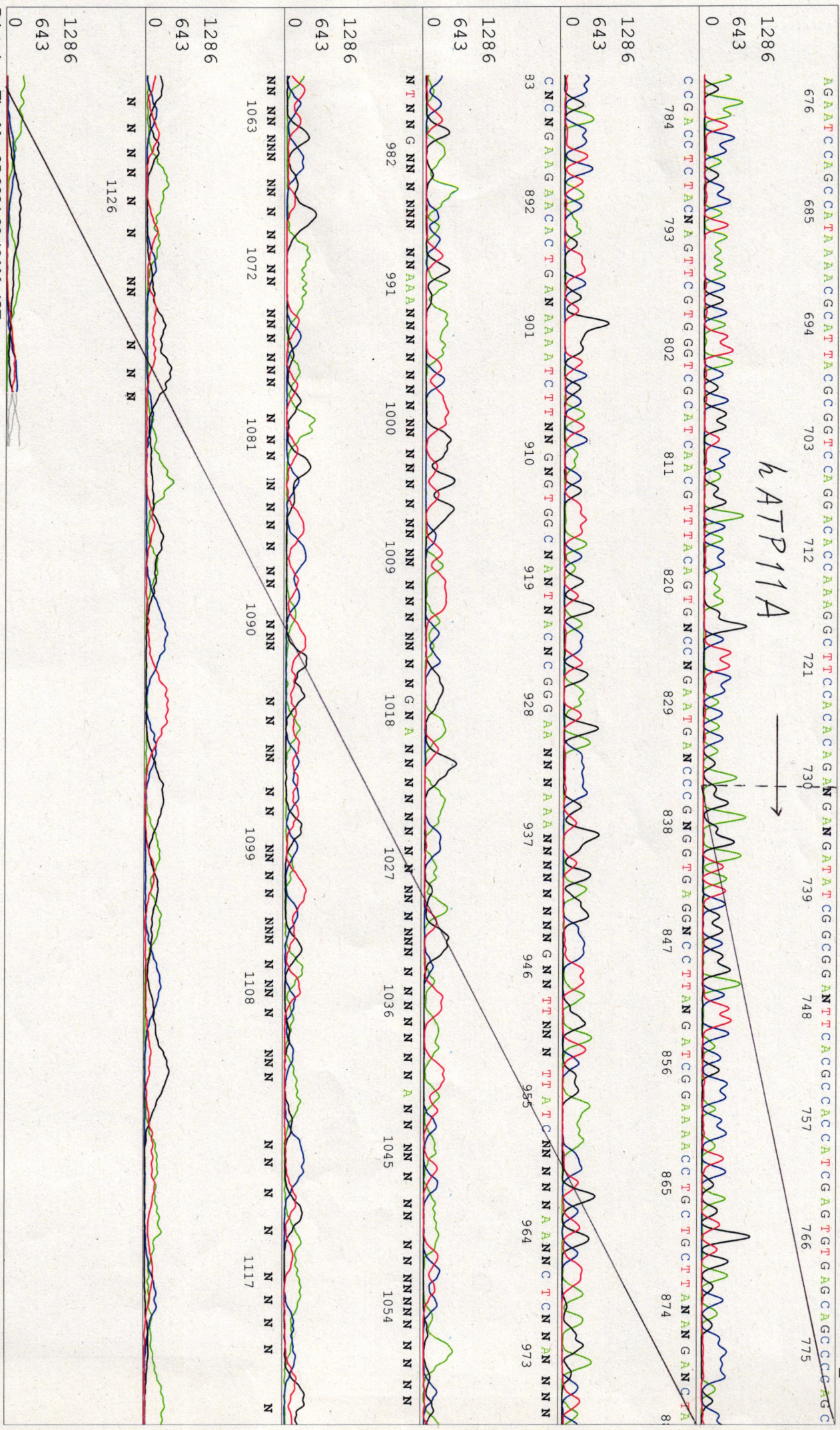
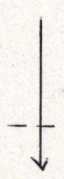
D07512B3\_B1C2\_2\_MMLV-pol\_F  
KB\_3500\_POP7\_BDTV3.mob  
Pis 1542 to 13346 Pk1 Loc:1519  
Version 6.0 HiSeq Bases: 917

Printed on: Thu Mar 25, 2021 09:12AM, JST

1 10 19 28 37 46 55 64 73 82 91 100 109



*h ATP 11A*



S/N G:730 A:362 T:420 primer name B : SV40pro\_R2

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KB\_3500\_POP7\_BDTV3.mob  
Pfs 1483 to 13266 PK1 Loc:1460

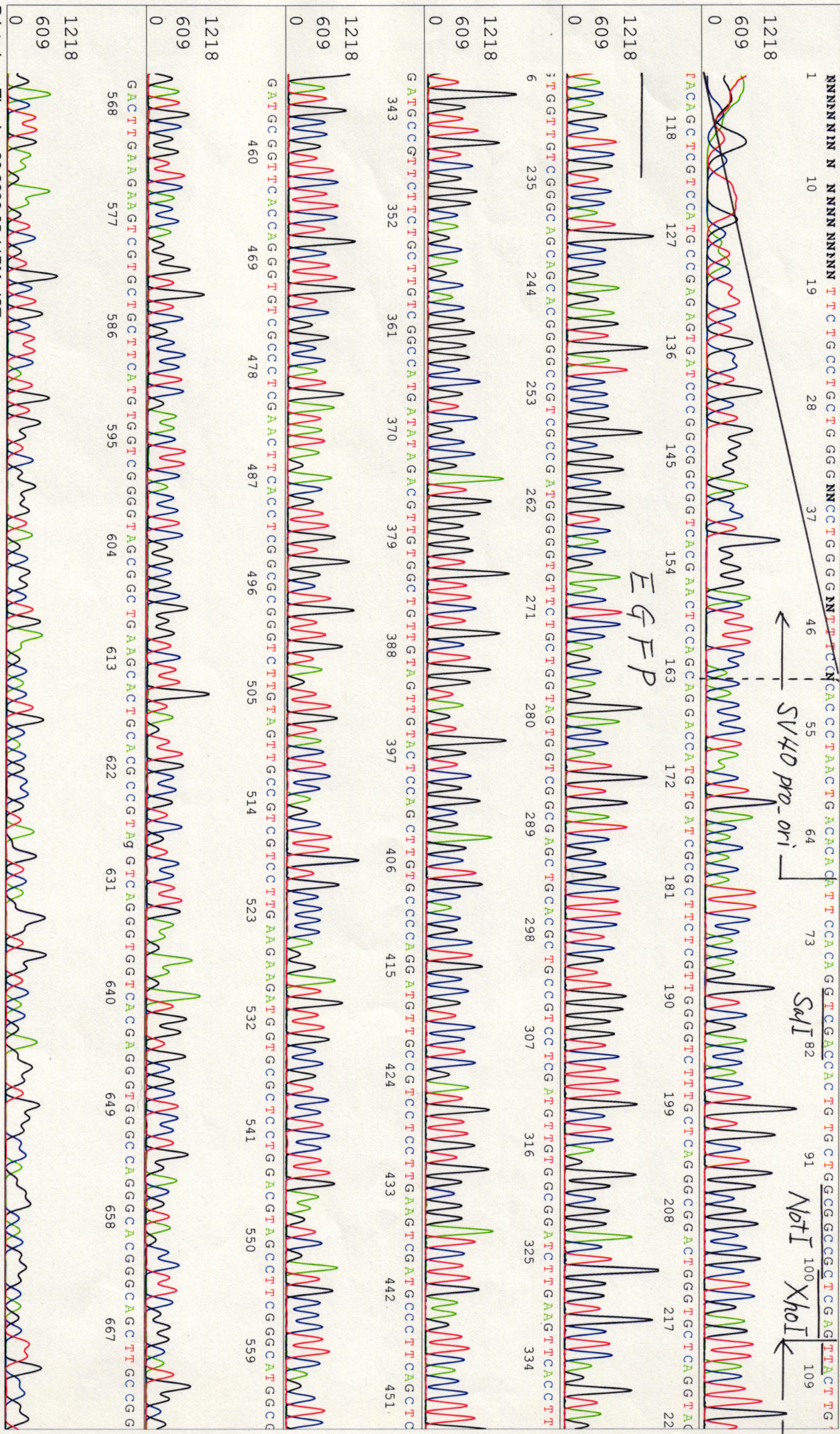
Mar 24, 2021 05:23PM, JST  
Mar 24, 2021 05:50PM, JST  
Spacing: 11.71 Pfs/Panel1350

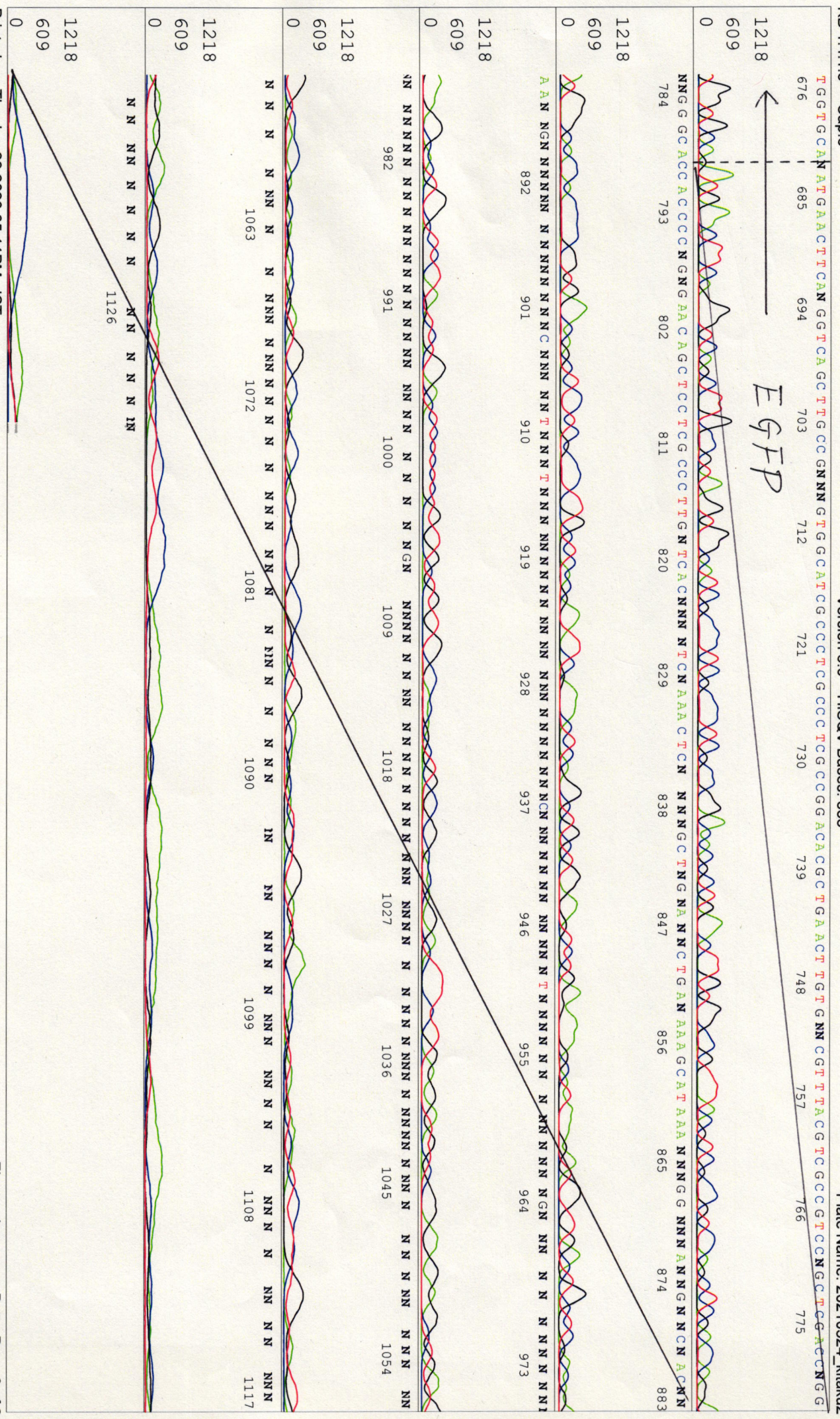
KB.bcp KB 1.4.1.8 Cap:6

5-GACTTTCACACACCTGGTTGC-3'

Version 6.0 HISQV Bases: 833

Plate Name: 20210324\_kitaku2





S/N G:325 A:225 T: primer name C : EGFP-N\_R2

D07512B3\_B1C2\_2\_EGFP-N\_R2

Mar 24, 2021 05:23PM, JST

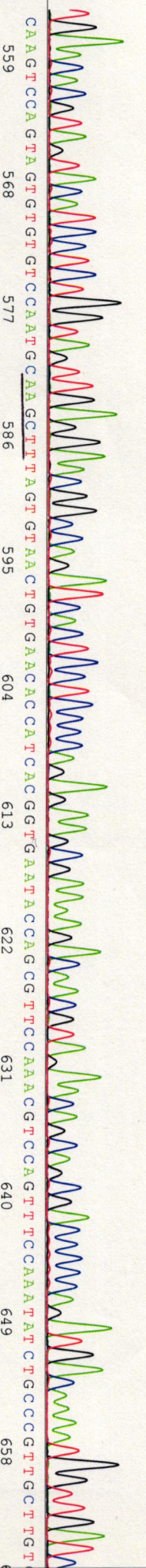
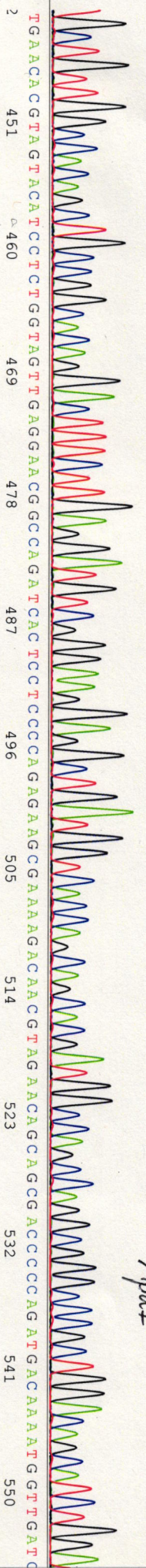
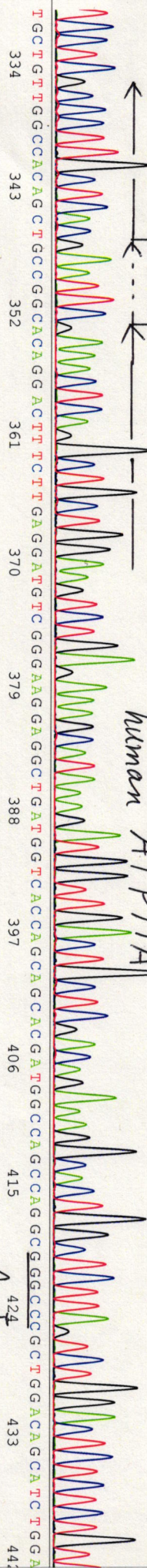
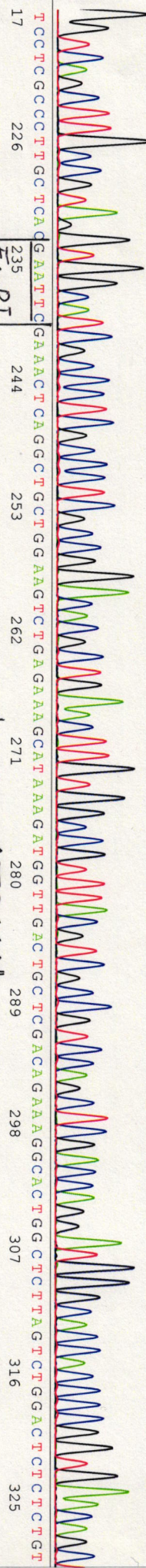
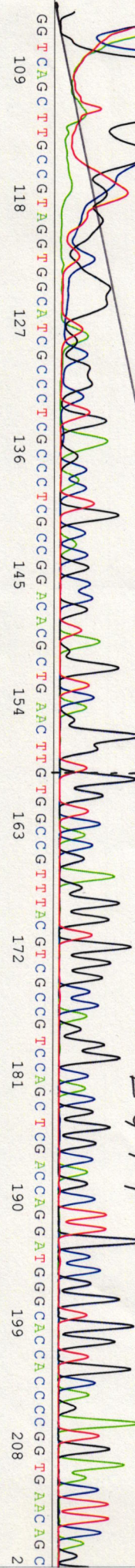
KB.bcp KB 1.4.1.8 Cap:9 5'-ATGGCGGACTTGAAGAAGT-C-3'

KB\_3500\_POP7\_BDTv3.mob

Mar 24, 2021 05:50PM, JST

Pts 1395 to 13168 Pk1 Loc:1372

EGFP



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 768

H ATP 11A

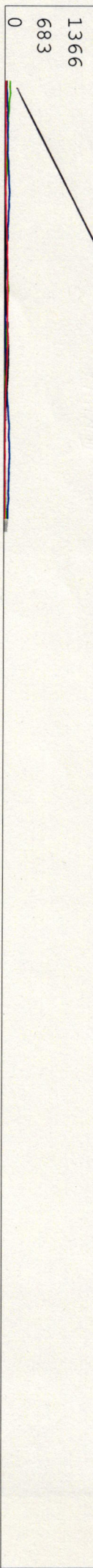
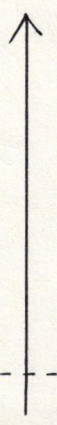
775 T T G G G C G A C C G T C C C T G T A C C A G G N C G G G T C T C T C T T G A N C A C G T C A A T G C C A A C A T G C T G C T G C C A T G A N G C T G T A C C A G G A N G N T G G G G G A G G G A N G N C T G A  
 784  
 793  
 802  
 811  
 820  
 829  
 838  
 847  
 856  
 865  
 874

883 T G T T G N A G A N G G T C A N A T A C N C G G N G N C G T A N A A A G T C T G N T G T G A A N N C C N N A G A N N A A N T G G T A T A A A A A C T G N N G N N A G N N G N N A N A N N  
 892  
 901  
 910  
 919  
 928  
 937  
 946  
 955  
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 973

982 N C N N N N N N N A N N A N N T N N N G N  
 991  
 1000  
 1009  
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 1027  
 1036  
 1045  
 1054

1063 N  
 1072  
 1081  
 1090  
 1099  
 1108  
 1117  
 1126

1135 N  
 1135



S/N G:498 A:303 T: primer name *D* : SV40pro\_ori\_F

D07512B3\_B1C2\_2\_SV40pro\_ori\_F

KB.bcp KB\_3500\_POP7\_BDTv3.mob

Pts 1495 to 13161 Pk1 Loc:1472

Version 6.0 HiSQV Bases: 930

Mar 24, 2021 05:23PM, JST

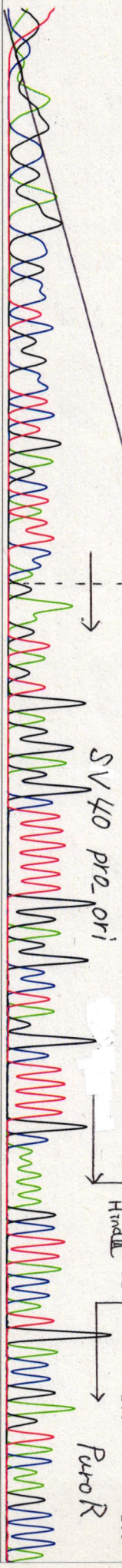
Mar 24, 2021 05:50PM, JST

Spacing: 11.71 Pts/Panel1350

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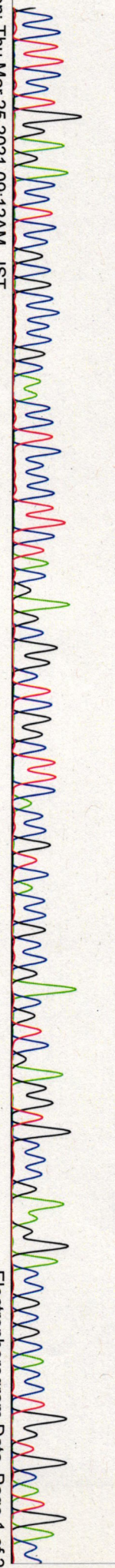
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118 127 136 145 154 163 172 181 190 199 208 217

CGG G T C A C C G A G C T G C A A G A A C T T C C T C A C G C G C G T C G A C A T C G G C A A G T G T G G G T C G C C G A C G A C G G C C C G C G C G T G G C G G T C T G A C C A C C G G A G A G C G T C  
226 235 244 253 262 271 280 289 298 307 316 325 334

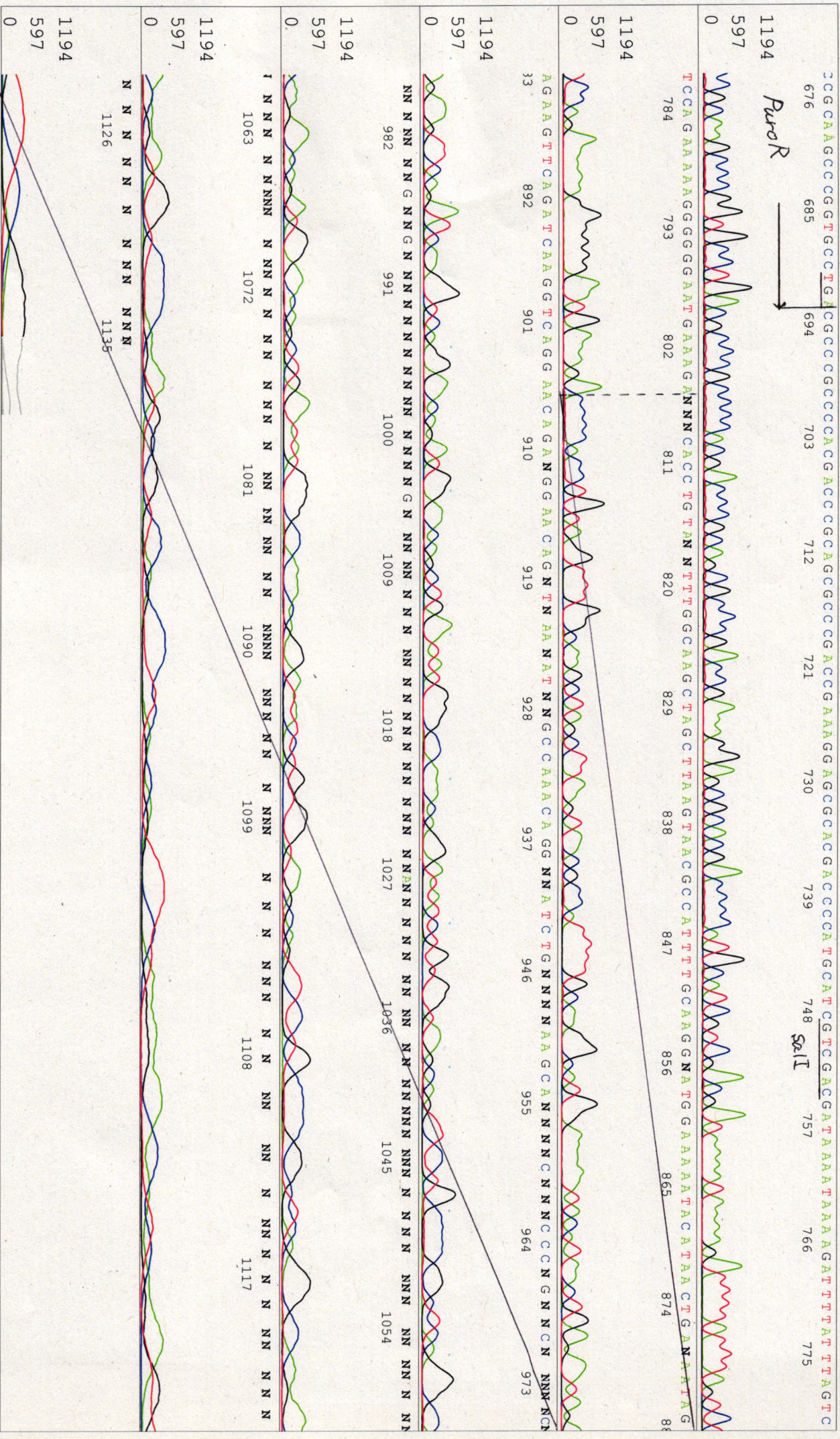
G A A G C C G G G G G G G T G T T C G C C G A G A T C G G C C C G C C G C C A T G C C C G A G T T G A G C G G T T C C C G C T G G C C G C G C A G A C A G A T G G A A G G C C T C T G G C C C G C A C C G C C C A A G G A C  
343 352 361 370 379 388 397 406 415 424 433 442 451

3 C C C C G C T G G T C C T G G C C A C C G T C G G C G T T C C G C C C A G A C C A G G C A G G G T C T G G G C A G C G C C G T C C C C G A G T G A G G C G G C C G A G C C G C C G G G T G C C C  
460 469 478 487 496 505 514 523 532 541 550 559

3 C C T C C T G G A G A C C T C C G C C C C C G A A C C T C C C C T C T A C G A G C G G C T C G G C T C A C C G C C A C G T C G A G G T G C C C G A A G G A C C C G C A C C T G T G C A T G A C  
568 577 586 595 604 613 622 631 640 649 658 667





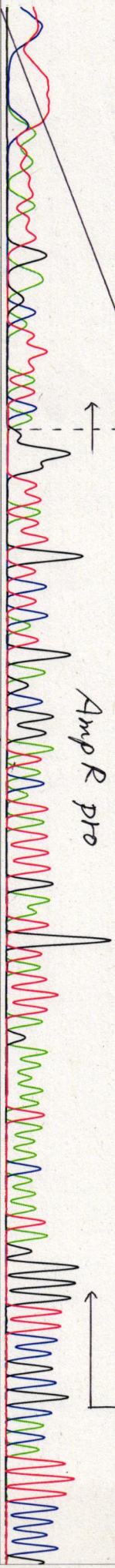


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KB bcp

KB 1.4.1.8 Cap.1 5-GCGACACGGAAATGTTGAATA-3'

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3 A A A A G T G C C C A C C T G C A T A A T G A A A G A C C C C A C C T G T A G G T T T G G C A A G C T A G C T T A A G T A A C C C C A T T T T G C A A G G C A T G G A A A A A T A C A T A A C T G A G A A T A G A A A G T T C A  
118 127 136 145 154 163 172 181 190 199 208 217  
NheI 163

G A T C A A G G T C A G G A A C A G A T G G A A C A C G C T G A A T A T G G G C C A A A C A G G A T A T C T G T G G T A A G C A G T C C T G C C C C G G C T C A G G G C C A A G A A C A G A T G G A A C A G C T G A A T A T G G G  
226 235 244 253 262 271 280 289 298 307 316 325 334  
EcoRV

C C A A A C A G G A T A T C T G T G G T A A G C A G T T C C T G C C C C G G C T C A G G G C C A A G A A C A G A T G T C C C C A G A T G C G G T C C A G C C C T C A G C A G T T T C T A G A G A A C C A T C A G A T G T T C C A  
343 352 361 370 379 388 397 406 415 424 433 442  
EcoRV XbaI

G G G T G C C C C A A G G A C C T G A A A T G A C C C T G T G C C T T A T T T G A A C T A A C C A A T C A G T T C G C T C T C G C C T C T G T T C G C G C G C T T C T G C T C C C G A G C T C A A T A A A A G A G C C C A C A  
451 460 469 478 487 496 505 514 523 532 541 550 559  
SacI

A C C C C T C A C T C G G C G C C A G T C C T C C G A T G A C T G A G T C G C C C G G G T A C C C G T G T A T C C A A T A A C C C T C T T G C A G T T G C A T C C G A C T T G T G T C T C C G C T G T T C C T T G G  
568 577 586 595 604 613 622 631 640 649 658 667  
SmaI KpnI

S/N G:312 A:206 T:194 C:207

D07512B3\_B1C2\_2\_Amp\_R

KB\_3500\_POP7\_BDTV3.mob

Pis 1444 to 13227 Pk1 Loc:1421

Version 6.0 HiSQV Bases: 930

Mar 24, 2021 05:23PM, JST

Mar 24, 2021 05:50PM, JST

Spacing: 11.74 Pst/Panel1350

Plate Name: 20210324\_Kitaku2

KB 1.4.1.8 Cap:15

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5'LTR

AGGTAAGCTGGCCAGCACTTATCTGTGTGTCGCCNATGTTCTAGTGTGCTATGACTGATTTTATGCGCCCTGCGTCCGGTACTAGTTAGCTAAGCTCTGAT

CTGGNGGANCCTGGNGGNAACCTGACGANTTNNGNANNCCGGNCGCNACCCNNGGANANGTCCCN NNNNNNTCGGGGGNNGNTTTTGN NN NN N

NNNNNNNNNAANNCCNNNNNNNTTNNNNNNNNNTNN

NN

NN

NN

S/N G:235 A:180 T:140

primer name **F** : pMFG\_1

KB\_bcp

Mar 24, 2021 05:23PM, JST

KB 1.4.1.8 Cap:18

5'-TGCTGACTAAGTAGAGAG-3'

KB\_3500\_POP7\_BDTv3.mob

Mar 24, 2021 05:50PM, JST

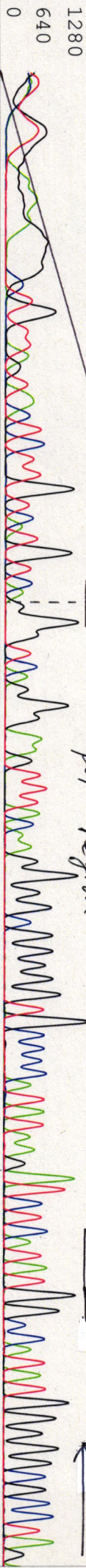
1 NNN IN N NNNNN NNN NN NN T NNN NNN TCT TGT NNTCT NN TCA GGG AAG TTTACAA GGG GCGGGGTGCCCCATATAAGATCTCATATGGCCATATGGGGCCCTAG

*pol region*

PgIII 82

NdeI

NdeI

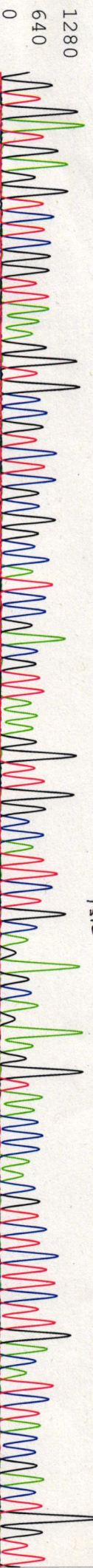


*gag (truncated)*

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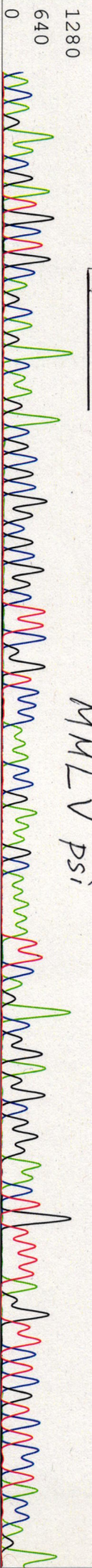
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451 GTGAGCGATCCGCTCGACATCTTCCAGTGAACCTAAAGGTTCAAACTTAAGGAGTGGTAACAGTCTGGCCCTAATTTCAGAACAAATACAAGAAACAAGTCAAGACAGAGCAAC

586 JACAGAACGATGCTGCAGCAGACAAAGACC GGCGCGGCTCGGTCCCAAACCGAAAACCAAAATTCAGACGGAGGGGAAGTCTTAGGTCTCGTCTCCTACCAAGA

*MMLV psi*



S/N G:235 A:180 T:140 C:156

D07512B3\_B1C2\_2\_pMFG\_1

Mar 24, 2021 05:23PM, JST

KB.bcp

KB\_3500\_POP7\_BDTV3.mob

Mar 24, 2021 05:50PM, JST

KB 1.4.1.8 Cap.18

Pts 1451 to 13177 Pk1 Loc:1428

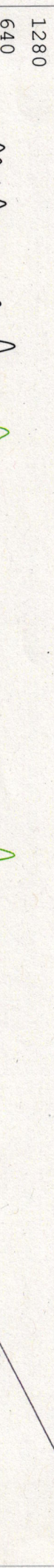
Spacing: 11.58 Pts/Panel1350

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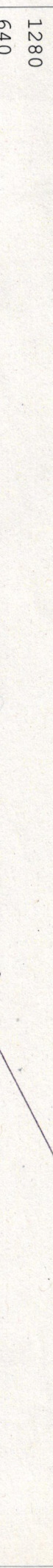
MMLV psi



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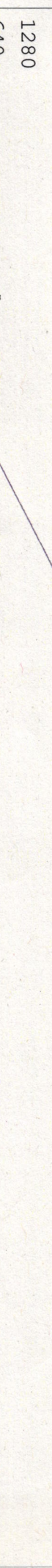
CATAGACNCTAGACATCNGANAGANACAGATTNAGTTGCTNCCACAGCTTACCNNCNGGTTGGGNCGGNGGTCCCNNGNA GGGNNNNCCNTNTNC



NNNNANCCCCN NNNGANNNNCNNNNNNNNNGN NNN



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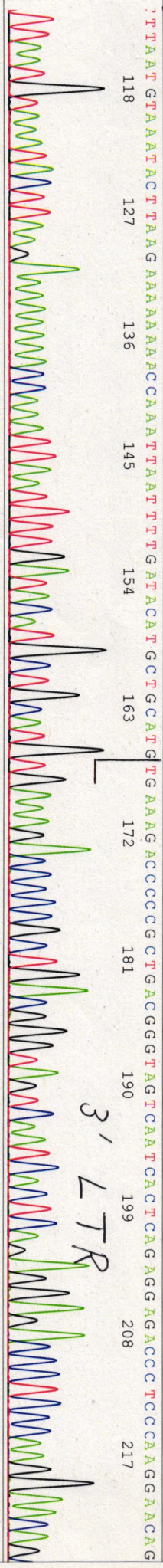
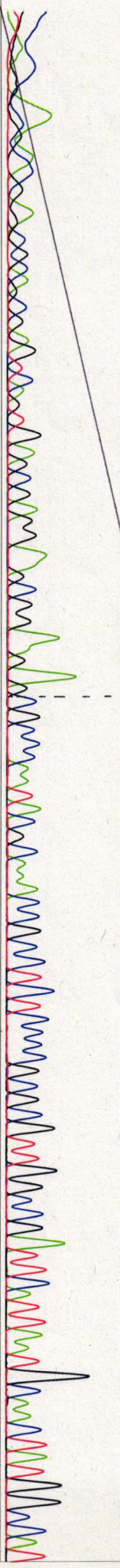


NN N

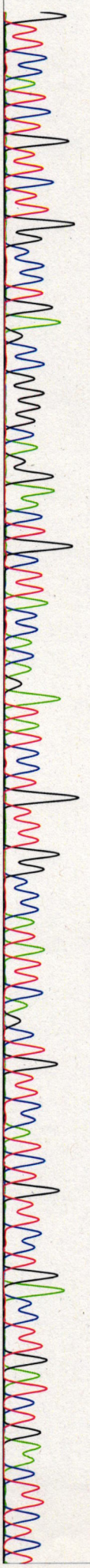
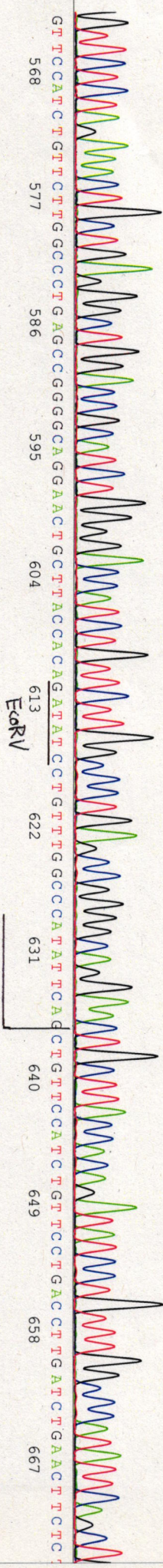
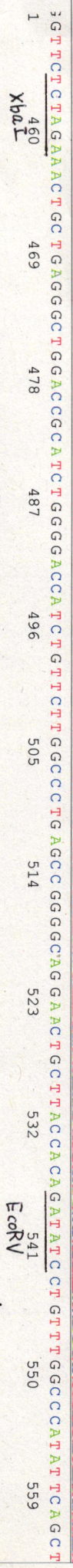
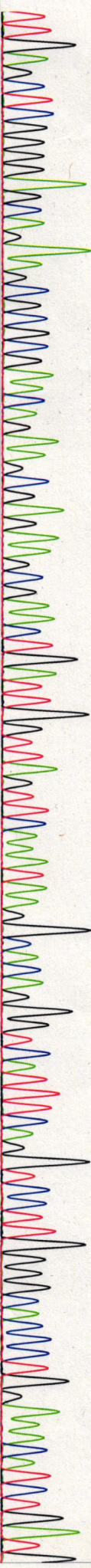
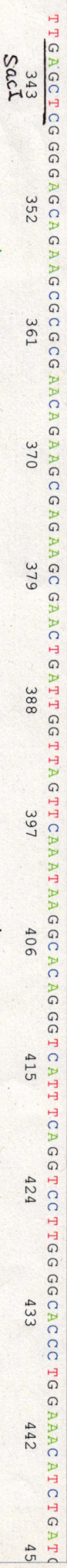
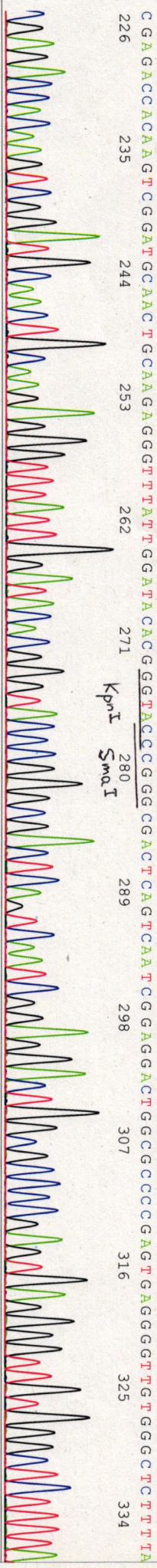


S/N G:164 A:116 T primer name *G*: lacpro-B\_F  
KB bcp Cap: 2 5'-CCGCCCTTGAGTGAGCTGATA-3'

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3' LTR



TATTCCTCAGTTATGTATTCTCCATGCGCTTGCAAAATGGCGCTTACTTAAAGCTTAGCTTGCCCAAACCTACAGGTGGGGTCTTTCATTCCCCCTTTTCTGGAGACTAAAT  
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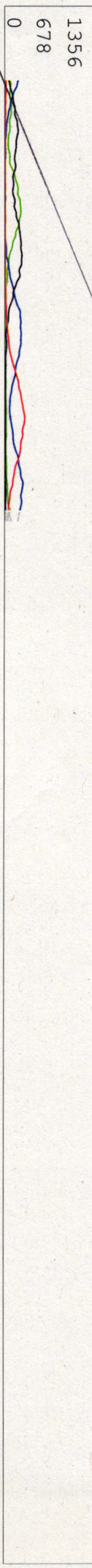
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TGCACCANGTGCGCGGNCCCTTCNCGCCNCTCGNCGTCNCCGNGACGGNGAAGCCNANCCNCTCGNANAANNGGNNGGNNGNNGGGCCGNNNN  
 892 901 910 919 928 937 946 955 964 973 98

NCCANNNNNNNGNNGNCCNNGN  
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NN  
 1072 1081 1090 1099 1108 1117 1126

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S/N G:31 A:28 T:22 primer name H : hATP11A\_F1

KB\_bcp KB\_3500\_POP7\_BDIv3.mob

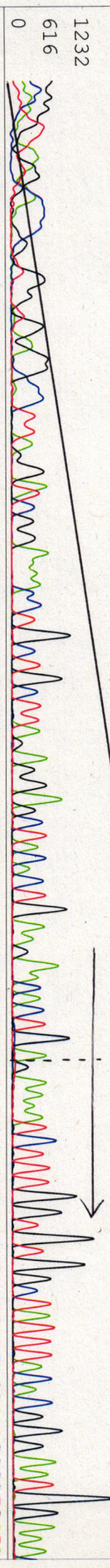
Feb 15, 2022 01:57PM, JST

KB 1.4.1.8 Cap.4 5'-TTCGTGGGTCGCATCAAC-3'

Pls 1375 to 13885 Pk1 Loc:1352

Feb 15, 2022 02:27PM, JST

1 11 21 31 41 51 61 71 81 91 101 111 121



human ATP 11 A

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1232 616 0 CCAAGATGGCATTAAATTATCAATCAAATCTCAGAAAGCGATCTGCCGTGGAAAAATCGATGAATGCCGTTCTCATGTGTATCTCTGCATTCTGATCAGCCAAAGCCCTGATA

1232 616 0 AACACTGTGCTGAAATACGGTGTGGCAAGTGAGCCCTTCCGGGATGAGCCGTTATAATCAGAAAAAGGAGTCCGGAAAAGGCAAGGAAATCTGTTCCCAAGGCATTCACGGA

1232 616 0 CTTCCCTGGCCTTCATGGTCTCTTTAACTACATCATCCCTGTGTCCTGTAACGTCACGGTCCGAGATGCCAAGTTCCTCGGCTCTTACTTCAATCACCTGGGACGGAACAATGT

1232 616 0 TTGACGAGGACTGGCGAGGGCCCTCTGGTGAACAAGTCCGGAACCTCAATGAAAGCTGGGACAGGTTGAGTACATCTCACAGACAAAGACCCTCACGGAAAAACA

1232 616 0 CATGGAGTTCAAAGGAGTGTGCATCGAAGGCCATGCTTACGTGCCCCACGTCATCTGCCAAGGGGCAAGTCCCTCCAGAGTCCGGAATCGACATGACTCTCCCCCA

1232 616 0

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Pis 1375 to 13885 Pk1 Loc:1352  
Version 6.0 HISQV Bases: 968

Inst Model/Name 3500/3500 Instrument  
Feb 15, 2022 01:57PM, JST  
Feb 15, 2022 02:27PM, JST  
Spacing: 12.42 Pts/Panel1350  
Plate Name: 20220215\_kitaku

